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OIL SEAL DEVICE FOR AXIAL SHAFT

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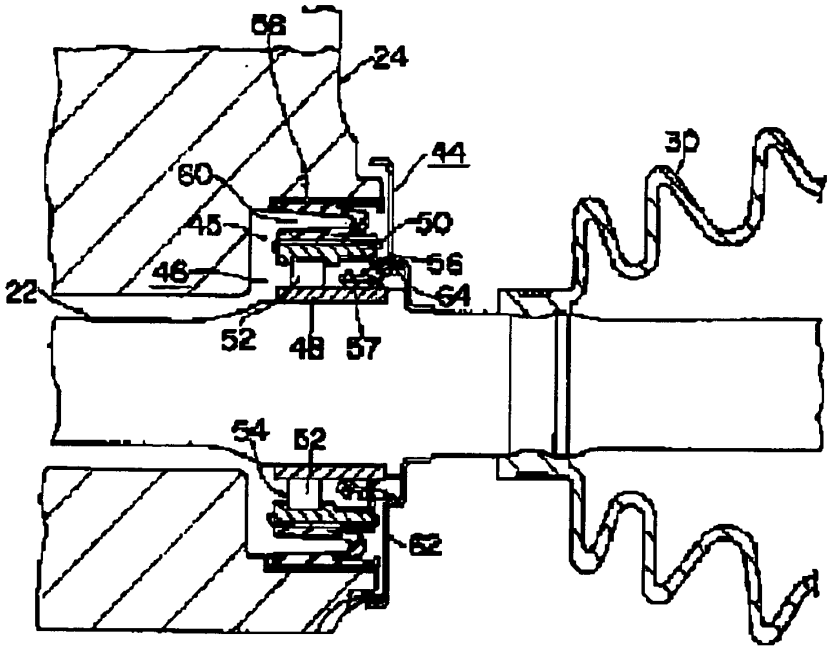
ABSTRACT

PURPOSE: To retain superior sealing performance in spite of mutual eccentricity of an axial shaft and an axial housing due to irregularity in processing and assembling of an oil seal device for aperture in radial direction between the axial shaft and an opening in the end of the axial housing.

CONSTITUTION: A roller **bearing** 46 is fixed around the circumference of an axial **shaft** 22 on its internal surface of an inner race 48 and the inner and outer circumferences of an ring rubber 58 are fixed around the outer circumference of the outer race 50 of the roller **bearing** 46 and the inner circumference of an axial housing 24 respectively. An oil **seal** 56 is in sliding contact with the outer circumference of the inner race 48 in its ring **lip** 57 on the inner circumference thereof, and fixed around the inner circumference of the outer race 50 on its outer circumference, and seals a gap between the inner race 48 and the outer race 50 on the outer side of the roller row 54 of the roller bearings 46 as for the axial direction of the axial **shaft** 22.

C:\Program Files\Dialog\DialogLink\Graphics\27.bmp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